Atty. Docket No. CS21165RL

Appl. No. 10/637,124 Confirm. No. 3836 Examiner N. Vo Art Unit 2618

In the Claims:

1. (Previously Presented) A mobile wireless communication device, comprising:

a receiver;

a controller coupled to the receiver,

the controller configured to cause the receiver to receive not more than one burst of an incoming paging message transmitted in a series of bursts over successive time frames,

the controller configured to determine whether the incoming paging message corresponds to a known paging message by comparing incoming data of the not more than one received burst with known data of a corresponding burst of the known paging message,

the controller configured to combine the incoming data with known data of a different burst of the known paging message only if results of comparing satisfy a specified requirement.

Claim 2 (Canceled).

3. (Previously Presented) The device of Claim 1, the controller configured to reconstruct the incoming paging message by decoding the combined incoming data and the known data and to determine whether the reconstructed incoming paging message corresponds to the known paging message.

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4. (Previously Presented) The device of Claim 3, the controller

configured to store known data from at least a portion of the known paging

message received in several bursts over successive time frames.

5. (Previously Presented) The device of Claim 1, the controller

configured to measure a channel quality of the incoming paging message and

to rescale the known data based on the channel quality of the incoming paging

message.

6. (Previously Presented) The device of Claim 1, the controller

configured to reconstruct the incoming paging message by decoding data of

the not more than one received burst and a burst in subsequent time frame of

the incoming paging message if the results of comparing do not satisfy a

specified requirement.

7. (Previously Presented) The device of Claim 6, the controller

configured to determine whether the reconstructed incoming paging message

corresponds to the known paging message.

8. (Previously Presented) The device of Claim 1,

the not more than one burst of the incoming paging message is a

burst in a first time frame of the series of consecutive time frames,

the controller configured to compare incoming data of the burst of

the first time frame of the incoming paging message with known data of a

burst of a first time frame of the known paging message,

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the controller configured to combine the incoming data of the burst of the first time frame of the incoming paging message with known data of bursts of other time frames of the known paging message only if results of comparing satisfy a specified requirement,

the controller configured to reconstruct the incoming paging message by decoding the combined incoming data and the known data,

the controller configured to determine whether the incoming paging message corresponds to the known paging message.

9. (Previously Presented) The device of Claim 1,

the not more than one burst of the incoming paging message is a burst in a second time frame of the series of consecutive time frames,

the controller configured to compare incoming data of the burst of the second time frame of the incoming paging message with known data of a burst of a second time frame of the known paging message,

the controller configured to combine the incoming data of the burst of the second time frame of the incoming paging message with known data of a burst of different time frames of the known paging message only if results of comparing satisfy a specified requirement,

the controller configured to reconstruct the incoming paging message by decoding the combined incoming data and the known data,

the controller configured to determine whether the incoming paging message corresponds to the known paging message.

10. (Previously Presented) A mobile wireless communication device, comprising:

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a receiver;

a controller communicably coupled to the receiver, the controller

configured to

cause the receiver to receive not more than one burst of an

incoming paging message transmitted in a series of bursts over successive

intervals,

combine the portion of the incoming message with a portion of a

known message, and

reconstruct a message from the portion of the incoming message

and the portion of the known message.

11. (Previously Presented) The device of Claim 10, the controller

configured to the mobile wireless communication device in a reduced power

consumption mode during remaining intervals of the incoming message if the

incoming message corresponds to the known message.

12. (Previously Presented) The device of Claim 10, the controller

configured to store known paging data from at least a portion of a no-identity

paging message received in several bursts over consecutive intervals, the

known paging data corresponding to the known message.

13. (Previously Presented) The device of Claim 10, the controller

configured to cause the receiver to receive the portion of the incoming

message in not more than a first one of the consecutive intervals.

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14. (Previously Presented) The device of Claim 10, the controller

configured to cause the receiver to receive the portion of the incoming

message in not more than a second one of the consecutive intervals without

receiving any portion of the incoming message in a first of the consecutive

intervals.

15. (Previously Presented) The device of Claim 14, the controller

configured to cause the receiver to receive another portion of the incoming

message in a third one of the consecutive intervals if the incoming message

does not correspond to the known message.

16. (Previously Presented) The device of Claim 10, the controller

configured to cause the receiver to compare the portion of the incoming

message with a corresponding portion of a known message and combine the

portion of the incoming message with the portion of the known message only

if results of comparing the portion of the incoming message with the

corresponding portion of the known message satisfy a specified requirement.

17. (Previously Presented) The device of Claim 10, the controller

configured to cause the receiver to rescale the portion of the known message

based on a channel quality of the incoming message.

18. (Previously Presented) The device of Claim 10, the controller

configured to cause the receiver to combine the portion of the incoming

message with the portion of the known message by combining the portion of

the incoming message of not more than one consecutive interval with portions

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BINZEL ET AL.
"Incoming Message Decoding in Wireless
Communications Devices And Methods Therefor"
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of the known message from all other intervals of the incoming message not received.

Claims 19-23 (Canceled).